

Cooperative Research Centres

Addressing industry-identified problems through large-scale collaborations



Collaborating to create change

The University of Queensland has a proud reputation for creating change in the world through research, and our impact extends across the globe.

Joining with national partners, government and colleagues, we work on inspiring projects every day – from science and sustainability to humanities and health.

UQ has a strong history of participation in the Australian Government’s Cooperative Research (CRC) Program since its inception in 1991.

CRCs are large-scale, flagship industry-based research centres that aim to solve industry-identified problems.

Overseen by AusIndustry within the Commonwealth Department of Industry, Science and Resources, the CRC Program provides grant funding to support industry-led collaborative research partnerships between at least one Australian industry entity and one Australian research organisation. These long-term collaborations aim to improve the competitiveness, productivity, and sustainability of Australian industries.

Our researchers are currently involved in 14 CRCs nationally, involving 300 industry partners and \$700 million of grant funding. UQ has been involved in 222 CRCs since the program began, delivering \$4.6 billion in research funding across a range of industries.

From marine bioproducts to autonomous systems, transport and mobility, transformations in mining economies and more – UQ research is helping to revolutionise key Australian industries through the CRC program.

 **\$700m**
of grant funding
for current CRCs

 **300**
current industry
partners

 **\$4.6b**
total CRC funding
(since 1991)

 **222**
CRCs since 1991

UQ-supported CRCs include:

Zero Net Emissions from Agriculture
ZNE-Ag CRC aims to catalyse industry, community and government action to achieve Zero Net Emissions from agriculture from 2040, and below zero net emissions by 2050.

Solving Plastic Waste
This CRC is focused on designing out plastic waste, supporting the transitions of companies in Australia’s plastics value chain to a circular and climate neutral plastic economy by 2030, and growing advanced manufacturing.

CRC TiME
The CRC for Transformations in Mining Economies (CRC TiME) investigates the complex challenges underpinning mine closure and relinquishment.

Trusted Autonomous Systems
TAS is Australia’s first defence Cooperative Research Centre. This CRC delivers research into world-leading autonomous and robotic technologies to enable trusted and effective cooperation between humans and machines.

iMove Australia
iMOVE is the national centre for transport and mobility R&D in Australia that aims to improve the sustainable movement of people and goods using technology and data.

Marine Bioproducts
Marine Bioproducts is Australia’s largest R&D hub dedicated to producing new and sustainable products from the marine environment.

Australian Composite Manufacturing
This CRC aims to transform Australia’s established composite technologies



capability into sovereign leadership, creating a world-class, highly automated, digitally-enabled, network of designers, manufacturers and service providers.

SAAFE
Solving Antimicrobial Resistance in Agribusiness, Food and Environments (SAAFE) is committed to protecting Australia’s food and agribusiness industries, and the environments in which they operate, from the growing threat of antimicrobial resistance (AMR).

SmartSat
SmartSat CRC is developing know-how and technologies in advanced telecommunications and IoT connectivity, intelligent satellite systems and Earth observation next-generation data services.

Blue Economy
The Blue Economy CRC undertakes industry-focused research and training to support the growth of the Blue Economy with a focus on two new, emerging, and transitioning ocean industries for Australia: offshore aquaculture and renewable energy production.

CRCNA
The CRC for Developing Northern Australia (CRCNA) supports industry-led research collaborations and ensures decision-makers have a strong evidence base to plan future investment for Northern Australia.


End Food Waste
The End Food Waste CRC is improving the competitiveness, productivity and sustainability of the Australian food industry.

Digital Health
This CRC harnesses the power of data and digital technologies to improve health outcomes, increase efficiency in health and aged care delivery, and grow a competitive digital health industry for Australia.


Future Fuels
Future Fuels CRC is focused on enabling the decarbonisation of Australia’s energy networks and delivering the full potential of low-carbon fuels in the energy supply mix.

Making an impact – CRCs over the years.


The University of Queensland has contributed to research outcomes from successful CRCs focused on a diverse range of industry issues.

 **Hearing CRC**


- Development of new technologies such as electrodes for cochlear implants.
- Outcomes have been commercialised and returned more than \$16 million in revenue.

 **CRC for Water Sensitive Cities**


- Implementation of water-sensitive urban design in several Australian cities.
- 47 cities benchmarked using the WSC Index.
- Outcomes include 1,700 IP assets and \$11 million of commercial income.

 **CRC for Optimising Resource Extraction (CRC ORE)**

- Development of integrated extraction simulator (IES).
- Grade Engineering, which focused on extracting metal more efficiently by early separation from ore waste.
- Kalgoorlie-Boulder Mining Innovation Hub.

 **CRC for Polymers (CRC-P)**

- 12 industry participants entered into agreements to commercialise CRC-P technologies.
- Four spin-off companies created.
- Technologies licensed for communication cables.

 **CRC for Spatial Information (CRCSI)**

- Spin-off company FrontierSI
- Delivered approximately \$1.07 billion in benefits from R&D outputs.
- 200 projects included developing new mapping tools, decision support systems, data analysis algorithms, more efficient workflows and policy frameworks.



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OF QUEENSLAND**
AUSTRALIA

CREATE CHANGE